

Science

Name: _____

Date: _____

Ch. 5 – Solutions

heterogeneous	solution	particles	move	“Particle Theory of Matter”
blended	solvent	solute	dissolve	attractions

Water is very important to life on Earth. Matter can be added to water.

Sometimes a heterogeneous mixture is created. Milk, for example, is a mixture of water and fat. It is not a solution because the parts can easily be observed under a microscope. The fat will not dissolve in the water. The two parts stay separate.

Sometimes, when matter is added to water, it dissolves and forms a solution. It is homogeneous. This means the properties of the two types of matter are blended. Sugar and water, for example, produce a sugar solution. All parts of the solution is watery and tastes like sugar. The sugar is easily dissolved by the water. Some types of matter dissolve easily in water, while other types do not dissolve in water.